

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/517,696
Source: P4710
Date Processed by STIC: 12/22/04

ENTERED



PCT

RAW SEQUENCE LISTING

DATE: 12/22/2004

PATENT APPLICATION: US/10/517,696

TIME: 16:18:22

Input Set : A:\DEX-432.ST25.txt

Output Set: N:\CRF4\12222004\J517696.raw

3 <110> APPLICANT: diaDexus, Inc.
 4 Salceda, Susana
 5 Macina, Roberto A.
 6 Turner, Leah R.
 7 Sun, Yongming
 8 Liu, Chenghua
 10 <120> TITLE OF INVENTION: Compositions and Methods Relating to Breast Specific Genes
 and Proteins
 12 <130> FILE REFERENCE: DEX-0432
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/517,696
 C--> 14 <141> CURRENT FILING DATE: 2004-12-13
 14 <150> PRIOR APPLICATION NUMBER: US 60/389,327
 15 <151> PRIOR FILING DATE: 2002-06-14
 17 <160> NUMBER OF SEQ ID NOS: 171
 19 <170> SOFTWARE: PatentIn version 3.1
 21 <210> SEQ ID NO: 1
 22 <211> LENGTH: 1574
 23 <212> TYPE: DNA
 24 <213> ORGANISM: Homo sapien
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 28 <222> LOCATION: (89)..(180)
 29 <223> OTHER INFORMATION: n=a, c, g, or t
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 34 <222> LOCATION: (1466)..(1466)
 35 <223> OTHER INFORMATION: n=a, c, g, or t
 38 <220> FEATURE:
 39 <221> NAME/KEY: misc_feature
 40 <222> LOCATION: (1474)..(1474)
 41 <223> OTHER INFORMATION: n=a, c, g, or t
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 49 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
 51 gtacatgtat atatttgtcc tgcattatgt tttttacttg atataaatgt atttttactg 240
 53 tgatagtcca agtgccctgg ggggcagggtg tgctctatgt gggtcttctt ccattggaga 300
 55 gctggcgtag agatctgcag tgttcacaag gatgttggtt tggagatgtc tgctgctagg 360
 57 acctgggggtg tgtgactcag tccatatgag agggacatct ggggtggagga gtaaattcct 420
 59 gtgctctgaa atgccacttg gtagctctgg acaatgaagg acaattgact caaggggtgcc 480
 61 tggcttctgc tgctgctggg aaaaaattca gtttatagca ttctctgacc tcccaaagta 540
 63 gataacctgg aggtcattca gttaacaact gtccctgagg actcagtttt gggggagggg 600
 65 ttatctggga gaagctttag cctgttctga gccattagga gacattagt aattggagca 660
 67 ctggagaatc ctacaaatgg cctatgtctc agaagagctg ggacctcctt ccagctgctg 720

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69 cagatgctga caggccctgg gaggetgctg tgctctggag aagctggagc agctcatttc 780
71 ttggcctagc ctggctgcct cagaaagagc agtcaggact tgaggggaagc atcaaattct 840
73 ataccataaa actgcagttg gaagtcagct ttttgaaatg tccagccttt gcccaattgt 900
75 ttcagatcat ctcatgcctc aggetttggc aggtatcctg cctccatct tattccagtg 960
77 tgttcacctc atcaaggcag cagagtggat gaaggagtaa gtctgccctt tgccatactg 1020
79 aacagctgtg gaccccgatt ggtgagggct ctgcatatgc ctgtatgaag gagatacagg 1080
81 tgtgtgtgca catgccggtg tgaagaagac acaggcatgt gcttctcagt ttgctaaca 1140
83 gtgggagctc aacggggcag agggaggaag gtccatgatg ctcagccaca tactgtagag 1200
85 agaggcaatt taatgttaaa tgacgcacca tctccctcc cacccttctc ccagtcaact 1260
87 ttttttcttt ttctagaact actaattatc tctcaaggct gaaaaattaa ttgccttagg 1320
89 tggagaactt aattcctagt atccaccaa ctttaactccg tatctccata tgggtgtctc 1380
91 atatctactg tgtgagctac ttaactgacg cctcttctc ccaactgaag gatcgcccaa 1440
93 cgtttttggg ttatagaatt attatngcct gctntctttc tttgggactt ttgaatttct 1500
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97 acctttcaaa aaga 1574

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108 cgcagagct ggagtcctag gcacagctct aagcctcctt attcgagccg agctgggcca 120
110 gccaggcaac cttctaggtg acgaccacat ctacaacgtt atcgtcacag cccatgcatt 180
112 tgtaataatc ttcttcatag taatacccat cataatcgga ggctttggca aaaaaaaac 240
114 aaaaaaaaaa aaaaaacctg ggggaaacac ggggcaaacg cgggtcccggg ggcagaaatg 300
116 gtacccggcc acattccac acacattccg acacaagagg cgaagacacg acaacagccg 360
118 accgacacaa cagaggcacg ggggaagggg acgaagagga ggaggagaac agacgggacg 420
120 gcaacaaggg acagcgaggg acgcagacgc ggaggagaag ggggaaggca gacgggaacg 480
122 agaaaaagag ccgagacggg acgcggaacc cacagggggg tcgcgagaaa agacgcca 539

125 <210> SEQ ID NO: 3
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127 <212> TYPE: DNA
128 <213> ORGANISM: Homo sapien
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133 tactgtaatt tttttttttt ttatacaaag cacgtgacgt ggactaatgt aaggcagatg 120
135 acgtgactct taagacgtgc tatatttatt cagttcctct ttacctctat agaggtttta 180
137 aatttagaat aagctgt 197

140 <210> SEQ ID NO: 4
141 <211> LENGTH: 1634
142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapien
145 <400> SEQUENCE: 4
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148 tatgtggaca gaagtggaac acttcttggg tccaaataca agaaagtctt atatcgtcaa 120
150 tatgatgata acacgttcac aaatcaaaca aaaaggaatg aaggtgaaaa acatctcgat 180
152 atactaggtc cattaatatt gctcaaccct ggtcaaataa ttcaaattat ctttaaaaaat 240
154 aaagccgcaa gaccgtattc tattcatgct catggagtga aaacaaataa ttccactgtt 300
156 gttccaactc agccaggaga gattcaaata tatacttggc agatacctga tagaactggt 360

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158 cctacctcac tggactttga atgcatacct tggttttact attcaactgt atctgtggct 420
160 aaggaccttc acagtggact ggtaggcoct ctctctgtat gccgcaaaga catcaacccc 480
162 aacatagttc accgtgttct ccacttcatg atatttgatg agaatgaatc ctgggtacttc 540
164 gaagacagta tcaacaccta tgcctcaaaa ccaaacaaag tggacaagga aaatgataat 600
166 tttcaactca gcaaccaa atgcacgaatt aacggaagac tgtttggaaa taaccaagggt 660
168 ataacattcc atgttgggga tgtagtgaat tggatctga ttggcatagg gaatgaagct 720
170 gacctgcaca cagttcactt tcatggccat agctttgaat acaagaatta gggagtgtat 780
172 caatctgatg tttatgacct tctctctggg gtctatcgaa ctgtaaaaat gtatcgaaga 840
174 gatgttggaa cctgggttatt ttattgccat gtttttgagc acattgggtgc tggaatggat 900
176 agcacttaca ctgtacttga aagaaaaggg ctgatggagc agaacctctg aagcagacaa 960
178 aggagagtca gcatgaacag tttctcagaa tcttctctca atatcaggac tacatttgtc 1020
180 aacaaaacca aaaactgatt agccaccgat ataattttta cctacaacat cctattaatg 1080
182 tcaataatat cattattgat acaattctaa taatcactac ccttattcct atcagtgttc 1140
184 atgtacattc ttagtaaaag agactttggg gcgctgtcca tgaaataaat cccccattgc 1200
186 taacattctt tctttggaaa agtagatttt gcatttcaaa gaataataag tcaaattgga 1260
188 ttggattttac aggtcatctg ttcccacaga aggggtgatat tgatgttgc attgataagt 1320
190 aaactttttg tggcaaaagt gatggtagt attttaagga tgttcccaag actaatataa 1380
192 attttgtatt tattccttaa atgtatgtaa tcattttagc ttagtatttt aacttagaac 1440
194 tgcattgctat tatataatat tacctatttt tgaaacttcc tttctacag cataaatatt 1500
196 tgatatgata tgaatattga caagcttaca agccaaggta aagctgccaa agaaggaaaa 1560
198 ctccaggggc caaggagtct gggaggaacc agctaaagac tttcatgaca atgtaccagg 1620
200 gagactagtt tgag 1634
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204 <211> LENGTH: 891
205 <212> TYPE: DNA
206 <213> ORGANISM: Homo sapien
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211 ggggctggcg gggcaggggc cggcgcacga ggctggagga ggggagcgcg cgcttctacc 120
213 cggtctgggt cgccgagtc acagcctcga agccatgggt tctcccgcgc cctctgaagc 180
215 cgccacacct gtgccagcgc gccgcgtcct cagaccttcc cccgcggagt cttcccagca 240
217 cttggagacg cagcgcaggg cccggaggac ggcttgccc ggagaaaaga taccgaagct 300
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221 cgggggtcct atccctcct cggctccgcg agtctcccga accctgcggg gaccggcgcg 420
223 tcggcggtgc cctcctggg cgcacggggc tggggcggga gcgaggagac caggtgggga 480
225 ggggacccca gatctcagac gccaggggag acggcgtttc ccgctgttca ttcaggtttg 540
227 tgccaaaagg agcctcacag atgcagtatt gggtttggtg gactcaaata gtcttgtttt 600
229 aatgtaaatg aaagtaagtt taggataaat tccagtgcgg cgggggcagg caaggctacc 660
231 cacatttttt aaaaagaagc cagcccgtat ttttctcct ttccaaatcc tccgcccccc 720
233 agtcttctga cccaggcac agcgcctatc gcggaggcca cgatgcccg tttattcctt 780
235 ctccacggca aggaaaagca gcgaaatctg aggtcttcag aggttaacct tatctaggag 840
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241 <211> LENGTH: 1253
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243 <213> ORGANISM: Homo sapien
245 <400> SEQUENCE: 6
246 ggggaagtgc aggatggggg gacagggggc ctcccgcggg ggtggatgag ggaccatagc 60
248 ggggctggcg gggcaggggc cggcgcacga ggctggagga ggggagcgcg cgcttctacc 120

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250 cgggctgggt cgccgagtc acagcctcga agccatgggt tctccccggc cctctgaagc 180
252 cgccacacct gtgccagccg gccgcgtcct cagacctttc cccgcggagt cttcccagca 240
254 cttggagacg cagcgcaggg cccggaggac ggccctggccc ggagaaaaga taccgaagct 300
256 ccaactttcc ccaaccccg cccctcctc cttccacct cccttccgc ccccaaagct 360
258 cgggggtcct atccctcctc cggctccggg agtctccga accctgcggg gaccggcggc 420
260 tcggcggtgc cctcctgggg cgcacggggc tggggcgga gcgaggagac cagggtggga 480
262 ggggaccca gatctcagac gccaggggag acggcgttc ccgctgttca ttcaggtttg 540
264 tgccaaaagg agcctcacag atgcagtatt gggtttgta gactcaaata gtcttgtttt 600
266 aatgtaaata aaagtaagtt taggataaat tccagtgcgg cgggggcagg caaggctacc 660
268 cacatTTTTT aaaaagaagc cagcccgtat tttctccct ttccaaatcc tccgcccccc 720
270 agtccttcga cccaggcacg agcgcctatc gcggaggcca cgatgcccgt tttattccct 780
272 ctccacggca aggaaaagca gcgaaatctg aggtcttcag aggttaaccc tatctaggag 840
274 cagaatgtga cgcattgtta acaataaat attgaaaact cgatgttaaa ccctttactt 900
276 tttctgactc cgacttgctt gacctctgag cagacctggg tttcgaacac agacgccctt 960
278 cccattttct ctattctctg tattcctgtt tcaccttcac agcagtctgc cagcacttct 1020
280 tagcactcag ttttaaccaga gcacaagctc ctgaatagca aaaaccaggc ctttttatac 1080
282 gtggcacagt ggctgttaca aaatatgctt cttgggtgaa ttggtaaaaa atattgtatt 1140
284 actttttatt tgtagcaaaa cctagaataa gaaaaagtac aagagattat tgtttgcctt 1200
286 taaattgcat ttttaaaga gcgtgcatat aatctctgag aaattaatg tct 1253

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291 <212> TYPE: DNA

292 <213> ORGANISM: Homo sapien

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303 <223> OTHER INFORMATION: n=a, c, g, or t

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309 <223> OTHER INFORMATION: n=a, c, g, or t

312 <220> FEATURE:

313 <221> NAME/KEY: misc_feature

314 <222> LOCATION: (383)..(384)

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318 <400> SEQUENCE: 7

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W--> 323 ccactcaaag tgcttggcat aacnctggct ggcgtttgca attacagaac cttnacgcag 180
325 cttccactag gcacgccagg agcaagtgtc acgcacaaga cattttcagc actggcagac 240
327 ggcattgcaa catatacgtg catgctcgcg ccagagcata cagtattccc tcttaaagat 300
329 ccanacaaca caaggcaagg gcattgctgca attgctgtt ggtgttaggt ctttcacatt 360
331 cgacatgtga acagttctta gannacaaca acttaagctt g 401
334 <210> SEQ ID NO: 8
335 <211> LENGTH: 405

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336 <212> TYPE: DNA
337 <213> ORGANISM: Homo sapien
339 <220> FEATURE:
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342 <223> OTHER INFORMATION: n=a, c, g, or t
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346 <221> NAME/KEY: misc_feature
347 <222> LOCATION: (69)..(70) ✓
348 <223> OTHER INFORMATION: n=a, c, g, or t
351 <220> FEATURE:
352 <221> NAME/KEY: misc_feature
353 <222> LOCATION: (77)..(77) ✓
354 <223> OTHER INFORMATION: n=a, c, g, or t
357 <220> FEATURE:
358 <221> NAME/KEY: misc_feature
359 <222> LOCATION: (79)..(80) ✓
360 <223> OTHER INFORMATION: n=a, c, g, or t
363 <220> FEATURE:
364 <221> NAME/KEY: misc_feature
365 <222> LOCATION: (102)..(102) ✓
366 <223> OTHER INFORMATION: n=a, c, g, or t
369 <220> FEATURE:
370 <221> NAME/KEY: misc_feature
371 <222> LOCATION: (200)..(200) ✓
372 <223> OTHER INFORMATION: n=a, c, g, or t
375 <220> FEATURE:
376 <221> NAME/KEY: misc_feature ✓
377 <222> LOCATION: (247)..(247)
378 <223> OTHER INFORMATION: n=a, c, g, or t
381 <220> FEATURE:
382 <221> NAME/KEY: misc_feature
383 <222> LOCATION: (250)..(251) ✓
384 <223> OTHER INFORMATION: n=a, c, g, or t
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388 <221> NAME/KEY: misc_feature
389 <222> LOCATION: (274)..(275) ✓
390 <223> OTHER INFORMATION: n=a, c, g, or t
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394 <221> NAME/KEY: misc_feature ✓
395 <222> LOCATION: (286)..(287)
396 <223> OTHER INFORMATION: n=a, c, g, or t
399 <220> FEATURE:
400 <221> NAME/KEY: misc_feature ✓
401 <222> LOCATION: (295)..(295)
402 <223> OTHER INFORMATION: n=a, c, g, or t
405 <220> FEATURE:
406 <221> NAME/KEY: misc_feature
407 <222> LOCATION: (297)..(298)

RAW SEQUENCE LISTING ERROR SUMMARY
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 89,90,91,92,93,94,95,96,97,98,99,100,101,102,103,104,105,106
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 Seq#:1; N Pos. 122,123,124,125,126,127,128,129,130,131,132,133,134,135,136
 Seq#:1; N Pos. 137,138,139,140,141,142,143,144,145,146,147,148,149,150,151
 Seq#:1; N Pos. 152,153,154,155,156,157,158,159,160,161,162,163,164,165,166
 Seq#:1; N Pos. 167,168,169,170,171,172,173,174,175,176,177,178,179,180,1466
 Seq#:1; N Pos. 1474
 Seq#:7; N Pos. 144,174,304,383,384
 Seq#:8; N Pos. 56,57,69,70,77,79,80,102,200,247,250,251,274,275,286,287,295
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 Seq#:8; N Pos. 375
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 Seq#:9; N Pos. 289,290,291,292,293,294,295,296,297,298,299,300,301,302,303
 Seq#:9; N Pos. 304,305
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 Seq#:42; N Pos. 574
 Seq#:44; N Pos. 1682,1733
 Seq#:86; N Pos. 168,169,170,171,172,173,174,175,176,177,178,179,180,181,182
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 Seq#:86; N Pos. 198,199,200,201,202,203,204,205,206,207,208
 Seq#:87; N Pos. 282,283,284,285,286,287,288,289,290,291,292,293,294,295,296
 Seq#:87; N Pos. 297,298,299,300,301,302,303,304,305,306,307,308,309,310,311
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 Seq#:116; Xaa Pos. 167

VERIFICATION SUMMARY

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L:14 M:270 C: Current Application Number differs, Replaced Current Application No
L:14 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:47 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60
M:341 Repeated in SeqNo=1
L:323 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:120
M:341 Repeated in SeqNo=7
L:466 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
M:341 Repeated in SeqNo=8
L:499 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
M:341 Repeated in SeqNo=9
L:532 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:240
L:602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:180
L:1304 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:60
M:341 Repeated in SeqNo=14
L:1612 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24 after pos.:60
L:1725 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27 after pos.:60
L:1792 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:30 after pos.:120
L:1833 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31 after pos.:660
L:2011 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:35 after pos.:660
L:2464 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:42 after pos.:540
L:2628 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:44 after pos.:1680
L:4994 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:86 after pos.:120
M:341 Repeated in SeqNo=86
L:5037 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:87 after pos.:240
M:341 Repeated in SeqNo=87
L:7007 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:116 after pos.:160